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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

	Complete if Known					
Application Number	10/549,445					
Filing Date	July 31, 2006					
First Named Inventor	Shawn DeFrees					
Group Art Unit	1623					
Examiner Name	Patrick T. Lewis					
Attorney Docket Number	705759					
Client Reference No.	NEO00262US/371 - NN 7950.204-US					

	U.S. PATENT DOCUMENTS					
	U.S. Patent Document					
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
	NG	2002/0016003	A1	Saxon et al.	02-07-2002	
	NH	2002/0182586	A1	Morris et al.	12-05-2002	
	NI	2003/0166525	A1	Hoffmann et al.	09-04-2003	
	NJ	2003/0186580	A1	Clausen et al.	10-02-2003	
	NK	2004/0043446	A1	DeFrees et al.	03-04-2004	
	NL	2004/0077836	A1	DeFrees et al.	04-22-2004	
	NM	2004/0082026	A1	DeFrees et al.	04-29-2004	
	NN	2004/0102607	A1	Danishefsky et al.	05-27-2004	
	NO	2004/0115168	A1	DeFrees et al.	06-17-2004	
	NP	2005/0026266	A1	Clausen et al.	02-03-2005	
	NQ	2005/0031584	A1	DeFrees et al.	02-10-2005	
	NR	2005/0064540	A1	DeFrees et al.	03-24-2005	
	NS	2005/0106658	A1	DeFrees et al.	05-19-2005	
	NT	2005/0269265	A1	DeFrees	12-08-2005	
	NU	2005/0271690	A1	Gotschlich	12-08-2005	
	NV	2006/0030521	A1	DeFrees et al.	02-09-2006	
,	NW	2006/0035224	A1	Johansen	02-16-2006	
	NX	2006/0177892	A1	DeFrees	08-10-2006	
	NY	2006/0246544	A1	Kang et al.	11-02-2006	
	NZ	2006/0287224	A1	DeFrees et al.	12-21-2006	
	OA	2007/0032405	A1	DeFrees et al.	02-08-2007	
	ОВ	2007/0059275	A1	DeFrees et al.	03-15-2007	
	OC	2007/0154992	A1	DeFrees	07-05-2007	
	OD	2007/0254834	A1	DeFrees et al.	11-01-2007	
	OE	2007/0254836	A1	DeFrees et al.	11-01-2007	
	OF	2008/0050772	A1	DeFrees et al.	02-28-2008	
	OG	2008/0102083	A1	DeFrees et al.	05-01-2008	
	ОН	2008/0108557	A1	Behrens et al.	05-08-2008	
	01	2008/0146494	A1	DeFrees et al.	06-19-2008	
	OJ	2008/0146782	A1	DeFrees et al.	06-19-2008	
	ОК	2008/0176790	A1	DeFrees	07-24-2008	
	OL	2008/0187955	A1	DeFrees et al.	08-07-2008	
	ОМ	2008/0200651	A1	Ostergaard et al.	08-21-2008	
	ON	2008/0206808	A1	DeFrees et al.	08-28-2008	
	00	2008/0206810	A1	Johnson et al.	08-28-2008	
	OP	2008/0207487	A1	DeFrees et al.	08-28-2008	
	OQ	2008/0242607	A1	DeFrees	10-02-2008	
	OR	2008/0242846	A1	DeFrees et al.	10-02-2008	
	os	2008/0248959	A1	DeFrees	10-09-2008	
	ОТ	2008/0253992	A1	DeFrees et al.	10-16-2008	
	ΟU	2008/0255026	A1	DeFrees et al.	10-16-2008	

Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 6

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	Complete if Known
Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DeFrees
Group Art Unit	1623
Examiner Name	Patrick T. Lewis
Attorney Docket Number	705759
Client Reference No.	NEO00262US/371 - NN 7950.204-US

	U.S. PATENT DOCUMENTS					
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Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
	OV	2008/0255040	A1	DeFrees	10-16-2008	
	OW	2008/0274958	A1	DeFrees	11-06-2008	•
	ОХ	2008/0280818	A1	DeFrees	11-13-2008	
1010	OY	2008/0300173	A1	DeFrees	12-04-2008	
	ΟZ	2008/0300175	A1	DeFrees et al.	12-04-2008	
	PA	2008/0305991	A1	DeFrees et al.	12-11-2008	
	РВ	2008/0305992	A1	DeFrees et al.	12-11-2008	
	PC	2008/0318850	A1	DeFrees et al.	12-25-2008	
	PD	2008/0319183	A1	DeFrees et al.	12-25-2008	
	PE	2009/0028822	A1	DeFrees et al.	01-29-2009	
	PF	2009/0048440	A1	Felo et al.	02-19-2009	
	PG	2009/0053167	A1	DeFrees	02-26-2009	
	РН	2009/0054623	A1	DeFrees	02-26-2009	
	PI	2009/0055942	A1	Ostergaard et al.	02-26-2009	
	PJ	2009/0093399	A1	DeFrees et al.	04-09-2009	•
	PK	2009/0124544	A1	DeFrees	05-14-2009	
	PL	2009/0137763	A1	DeFrees et al.	05-28-2009	
	PM	2009/0143292	A1	Hinderer et al.	06-04-2009	
	PN	2009/0169509	A1	DeFrees et al.	07-02-2009	
	РО	2009/0176967	A1	Stennicke	07-09-2009	
	PP	2009/0203579	A1	DeFrees et al.	08-13-2009	
	PQ	2009/0227504	A1	Klausen et al.	09-10-2009	
	PR	2009/0252720	A1	Ostergaard et al.	10-08-2009	
	PS	2009/0292110	A1	DeFrees	11-26-2009	
	PT	2009/0305967	A1	DeFrees et al.	12-10-2009	
	PU	2010/0009902	A1	DeFrees	01-14-2010	
	PV	2010/0015684	A1	DeFrees et al.	01-21-2010	
	PW	2010/0028939	A1	Behrens et al.	02-04-2010	
	PX	2010/0035299	A1	DeFrees et al.	02-11-2010	,
	PY	2010/0041872	A1	DeFrees et al.	02-18-2010	
	PZ	2010/0048456	A1	DeFrees et al.	02-25-2010	
	QA	2010/0056428	A1	Behrens	03-04-2010	
	QB	2010/0075375	A1	DeFrees et al.	03-25-2010	*
Marin	QC	2010/0081791	A1	DeFrees et al.	04-01-2010	
	QD	4,438,253		Casey et al.	03-20-1984	
	QE	4,826,945		Cohn et al.	05-02-1989	
	QF	4,847,325		Shadle et al.	07-11-1989	
	QG	5,122,614		Zalipsky	06-16-1992	
	QH	5,202,413		Spinu	04-13-1993	•
	QI	5,219,564		Zalipsky et al.	06-15-1993	
	QJ	5,281,698		Nitecki	01-25-1994	

Examiner Signature	Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 6

Complete if Known				
Application Number	10/549,445			
Filing Date	July 31, 2006			
First Named Inventor	Shawn DeFrees			
Group Art Unit	1623			
Examiner Name	Patrick T. Lewis			
Attorney Docket Number	705759			
Client Reference No.	NEO00262US/371 - NN 7950.204-US			

	U.S. PATENT DOCUMENTS					
U.S. Patent Document						
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
	QK	5,324,844		Zalipsky	06-28-1994	
	QL	5,342,940		Ono et al.	08-30-1994	
	QM	5,410,016		Hubbell et al.	04-25-1995	
	QN	5,446,090		Harris	08-29-1995	
	QO	5,529,914		Hubbell et al.	06-25-1996	
	QP	5,583,042		Roth	12-10-1996	
	QQ	5,629,384		Veronese et al.	05-13-1997	
	QR	5,643,575		Martinez et al.	07-01-1997	
	QS	5,705,367		Gotschlich	01-06-1998	
	QT	5,770,420		Lowe et al.	06-23-1998	
	QU	5,798,233		Gotschlich	08-25-1998	
	QV	5,824,778		Ishikawa et al.	10-20-1998	
	QW	5,824,864		Fox et al.	10-20-1998	
	QX	5,858,751		Paulson et al.	01-12-1999	
	QY	5,945,322		Gotschlich	08-31-1999	
	QZ	5,962,294		Paulson et al.	10-05-1999	
	RA	6,010,999		Daley et al.	01-04-2000	
	RB	6,113,906		Greenwald et al.	09-05-2000	
	RC	6,117,651		Schultz et al.	09-21-2000	
	RD	6,342,382	B1	Gotschlich	01-29-2002	
	RE	6,348,558	B1	Harris et al.	02-19-2002	
	RF	6,399,336	B1	Paulson et al.	06-04-2002	
	RG	6,399,337	B1	Taylor et al.	06-04-2002	
	RH	6,586,398	B1	Kinstler et al.	07-01-2003	
	RI	6,716,626	B1	Itoh et al.	04-06-2004	
	RJ	6,743,896	B2	Filpula et al.	06-01-2004	
	RK	6,780,624	B2	Gotschlich	08-24-2004	
	RL	6,800,740	B1 :	Cunningham et al.	10-05-2004	
	RM	6,949,372	B2	Betenbaugh et al.	09-27-2005	
	RN	7,157,277	B2	DeFrees et al.	01-02-2007	
	RO	7,179,617	B2	DeFrees et al.	02-20-2007	
	RP	7,226,903	B2	DeFrees et al.	06-05-2007	
	RQ	7,235,638	B2	Persson	06-26-2007	
	RR	7,265,084	B2	DeFrees et al.	09-04-2007	
	RS	7,276,475	B2	DeFrees et al.	10-02-2007	
	RT	7,297,511	B2	DeFrees et al.	11-20-2007	
	RU	7,304,150	B1	Egrie et al.	12-04-2007	
	RV	7,368,108	B2	DeFrees et al.	05-06-2008	
	RW	7,399,613	B2	DeFrees et al.	07-15-2008	
	RX	7,416,858	B2	DeFrees et al.	08-26-2008	
	RY	7,439,043	B2	DeFrees et al.	10-21-2008	, , , , , , , , , , , , , , , , , , , ,

Examiner Signature	Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 6

Complete if Known				
Application Number	10/549,445			
Filing Date	July 31, 2006			
First Named Inventor	Shawn DeFrees			
Group Art Unit	1623			
Examiner Name	Patrick T. Lewis			
Attorney Docket Number	705759			
Client Reference No.	NEO00262US/371 - NN 7950.204-US			

	U.S. PATENT DOCUMENTS							
		U.S. Patent Doo	cument					
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate		
	RZ	7,691,603	B2	DeFrees	04-06-2010			

				FORE	GN PATENT DOCUMENTS		
	Foreign Patent Document						
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Translation *
	SA	JP	H03-503759	Α	Cetus Corporation	08-22-1991	WO1989/06546
	SB	WO	1989/06546	A1	Cetus Corporation	07-27-1989	
	SC	WO	1990/013540	A1	Enzon, Inc.	11-15-1990	
	SD	WO	1991/014697	A1	Brossmer et al.	10-03-1991	US5,405,753
	SE	WO	1993/015189	A1	Consiglio Nazionale delle Ricerche	08-05-1993	
	SF	WO	1994/004193	A1	Enzon, Inc.	03-03-1994	
	SG	WO	1994/009027	A1	Enzon, Inc.	04-28-1994	
	SH	WO	1994/017039	A1	Enzon, Inc.	08-04-1994	
	SI	WO	1994/018247	A1	Enzon, Inc.	08-18-1994	
	SJ	WO	1999/014259	A1	Shearwater Polymers, Inc.	03-25-1999	
	SK	WO	1999/022764	A1	Genentech, Inc.	05-14-1999	
	SL	WO	1999/034833	A1	Shearwater Polymers, Inc.	07-15-1999	
	SM	WO	2001/76640	A2	Kinstler et al.	10-18-2001	
	SN	WO	2004/083258	A2	Neose Technology, Inc.	09-30-2004	
	so	WO	2004/091499	A2	Neose Technology, Inc.	10-28-2004	
	SP	WO	2005/012484	A2	Neose Technology, Inc.	02-10-2005	
	SQ	WO	2005/051327	A2	Neose Technology, Inc.	06-09-2005	
	SR	WO	2005/055946	A2	Neose Technology, Inc.	06-23-2005	
	SS	WO	2005/056760	A2	Neose Technology, Inc.	06-23-2005	
	ST	WO	2005/072371	A2	Neose Technology, Inc.	08-11-2005	
	SU	WO	2005/091944	A2	Eli Lilly and Company	10-06-2005	
	sv	wo	2006/010143	A2	Neose Technology, Inc.	01-26-2006	
	SW	WO	2006/020372	A2	Neose Technology, Inc.	02-23-2006	
	SX	WO	2006/050247	A2	Neose Technology, Inc.	05-11-2006	
	SY	WO	2006/074467	A2	Neose Technology, Inc.	07-13-2006	
	SZ	wo	2006/105426	A2	Neose Technology, Inc.	10-05-2006	
	TA	WO	2006/121569	A2	Neose Technology, Inc.	11-16-2006	
	TB	WO	2006/127910	A2	Neose Technology, Inc.	11-30-2006	
	TC	WO	2007/022512	A2	Neose Technology, Inc.	02-22-2007	
	TD	WO	2007/056191	A2	Neose Technology, Inc.	05-18-2007	
	TE	wo	2008/057683	A2	Neose Technologies, Inc.	05-15-2008	
	TF	wo	2008/060780	A2	Neose Technology, Inc.	05-22-2008	
	TG	WO	2008/073620	A2	Neose Technology, Inc.	06-19-2008	
	TH	WO	2008/124406	A2	Neose Technology, Inc.	10-16-2008	
	TI	WO	2008/151258	A2	Neose Technology, Inc.	12-11-2008	
	TJ	WO	2008/154639	A2	Neose Technology, Inc.	12-18-2008	

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Sheet 5 of 6

Complete if Known					
Application Number	10/549,445				
Filing Date	July 31, 2006				
First Named Inventor	Shawn DeFrees				
Group Art Unit	1623				
Examiner Name	Patrick T. Lewis				
Attorney Docket Number	705759				
Client Reference No.	NEO00262US/371 - NN 7950.204-US				

		OTHER - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation *
	TK	BARRIOS et al., <i>J. Mol. Recognit.</i> , 17(4):332-338 (2004)	
*	TL	BERG-FUSSMAN et al., J. Biol. Chem., 268(20): 14861-14866 (1993)	
·	TM	BOIME et al., Recent Prog. Horm. Res., 54: 271-289 (1999)	
	TN	BROCKHAUSEN et al., Acta Anatomica, 161: 36-78 (1998)	
	ТО	BUECKMANN et al., <i>Makromol. Chem.</i> , 182(5): 1379-1384 (1981)	
	TP	CANTIN et al., Am. J. Respir. Cell Mol. Biol., 27(6): 659-665 (2002)	
	TQ	COHN et al., J. Biomed. Mater. Res,. 22(11): 993-1009 (1988)	· · · · · · · · · · · · · · · · · · ·
	TR	FELIX et al., J. Peptide Res., 63: 85-90 (2004)	
	TS	GE et al., J. Biol. Chem., 272(34): 21357-21363 (1997)	
	TT	GERVAIS et al., Glycobiology, 13(3): 179-189 (2003)	
	TU	GRABENHORST et al., J. Biol. Chem., 274(51): 36107-36116 (1999)	
	TV	HARRIS (ed.), "Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications", Plenum Press, New York (1992)	
	TW	HARRIS et al. (eds.), "Poly(ethylene glycol): Chemistry and Biological Applications," ACS Symposium Series, Vol. 680, American Chemical Society (1997)	
	TX	HASSAN et al., Carbohydrates in Chemistry and Biology, Part II, 3: 273-292 (2000)	
	TY	KAWASAKI et al., Anal. Biochem., 285: 82-91 (2000)	1
	TZ	KEANA et al., J. Org. Chem., 55(11): 3640-3647 (1990)	
	UA	KOBAYASHI et al., Eur. J. Nucl. Med., 27(9):1334-1339 (2000)	
	UB	LANGER, Science, 249(4976): 1527-1533 (1990)	
	UC	LEGAULT et al., J. Biol. Chem., 270(36): 20987-20996 (1995)	
	UD	LIN et al., Proc. Natl. Acad. Sci. USA, 82: 7580-7584 (1985)	
	UE	MEYNIAL-SALLES et al., <i>J. Biotechnol.</i> , 46(1): 1-14 (1996)	
	UF	MULLER et al., J. Biol. Chem., 272(40): 24780-24793 (1997)	
	UG	MULLER et al., J. Biol. Chem., 274(26): 18165-18172 (1999)	
	UH	ROTONDARO et al., Mol. Biotech., 11: 117-128 (1999)	
	UI	RUDIKOFF et al., Proc. Natl. Acad. Sci. USA, 79(6):1979-1983 (1982)	
	UJ	SASAKI et al., J. Biol. Chem., 262(25): 12059-12076 (1987)	
	UK	SASAKI et al., <i>J. Biol. Chem.</i> , 269: 14730-14737 (1994)	
	UL	SEELY et al., <i>J. Chromatog.</i> , 908: 235-241 (2001)	
	UM	SEITZ, Chembiochem., 1(4): 214-246 (2000)	
	UN	SHEN et al., Biochem. Biophys. Res. Commun., 102(3): 1048-1054 (1981)	
	UO	SHINKAI et al., Prot. Exp. Purif., 10: 379-385 (1997)	
	UP	SNIDER et al., J. Chromatogr., A 599(1-2): 141-155 (1992)	
	UQ	STRAUSBERG et al., <i>Proc Natl Acad Sci USA</i> , 99(26): 16899-16903 (2002)	
	UR	THOTAKURA et al., Meth. Enzym., 138: 350-359 (1987)	
	US	TSUNODA et al., J. Pharmacol. Exp. Ther., 209(1): 368-372 (1999)	
	UT	VITETTA et al., Science, 313: 308-309 (2006)	
	UU	WHITE et al., J. Biol. Chem., 270(41): 24156-24165 (1995)	
	UV	WITTE et al., Cancer and Metastasis Rev., 17: 155-161 (1998)	
	UW	YAMADA et al., <i>Biochemistry</i> , 20(17): 4836-4842 (1981)	

Examiner Signature	Date Considered	

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Sheet 6 of 6

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Application Number	10/549,445
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	UX	YOUNES et al., J. Biomed. Mater. Res., 21(11): 1301-1316 (1987)			
	UY	ZARLING et al., <i>J. Immunol.</i> , 124(2): 913-920 (1980)			

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